

JUN 28 2004 3:56PM

PABST PATENT GROUP

NO. 0608 P. 6

JUN 28 2004

PATENT

PTO/SB/01A (05-03)

Approved for use through 06/30/2008. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

#### Title of Invention

CONTROLLED SURFACE CHEMICAL GRADIENTS

As the below named inventor(s), I/we declare that:

This declaration is directed to:

The attached application, or  
 Application No. 10/814,995, filed on March 31, 2004  
 as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

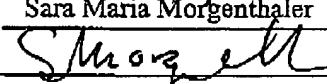
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

#### FULL NAME OF INVENTOR(S)

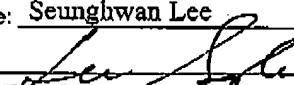
Inventor one: Nicholas D. Spencer

Signature:  Citizen of: US and UK

Inventor two: Sara Maria Morgenthaler

Signature:  Citizen of: Switzerland

Inventor three: Seunghwan Lee

Signature:  Citizen of: South Korea

Inventor four:

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Additional inventors or a legal representative are being named on \_\_\_\_\_ additional form(s) attached hereto.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ETH 111 - 077048/00023



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PABST PATENT GROUP

NO. 0608 P. 7

PTO/SB/81 (09-03)

Approved for use through 11/30/2005. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/814,995
Filing Date	March 31, 2004
First Named Inventor	Nicholas D. Spencer
Title	Controlled Surface Chemical Gradients
Art Unit	
Examiner Name	
Attorney Docket Number	ETH 111

I hereby appoint:

 Practitioner(s) associated with the Customer Number:

23579

OR

 Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

 The address associated with the above-mentioned Customer Number:

OR

 The address associated with Customer Number:

23579

OR

 Firm or Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name	Silvio Bonaccio	On behalf of: Eidgenössische Technische Hochschule Zürich
Signature		
Date	28 April 2004	Telephone 011-41-1-632-7742

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

 \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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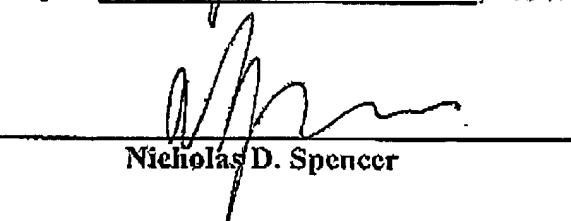
## ASSIGNMENT

We, Nicholas D. Spencer of Neuhaussstrasse 20, Zollikon, Switzerland CH-8702, Sara Maria Morgenthaler of Webntalerstrasse 445, Zurich, Switzerland 8046, and Seunghwan Lee of Kolbenzuckerstrasse 4/10, Zurich, Switzerland 8052, in consideration of ten dollars and other valuable consideration paid to us by Eidgenössische Technische Hochschule Zürich, a university of Switzerland, having its principal place of business at Rämistrasse 101, CH-8092 Zürich, Switzerland (hereinafter "said Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in a certain invention or improvement in "*Controlled Surface Chemical Gradients*" described in U.S. Serial No. 10/814,995 filed in the United States Patent and Trademark Office on March 31, 2004 by Nicholas D. Spencer, Sara Maria Morgenthaler, and Seunghwan Lee, and in the provisional application to which priority is claimed, being U.S. Serial No. 60/459,823 filed in the United States Patent and Trademark Office on March 31, 2003, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any provisional, divisional, continuation, continuation-in-part, reissue, or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be approved by the counsel of said Assignee, and to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

Title: "Controlled Surface Chemical Gradients"  
By: Nicholas D. Spencer, Sara Maria Morgenstaler, and Seungjwan Lee  
Filed: March 31, 2004  
ASSIGNMENT

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Assignee, its successors and assigns.

WITNESS my hand and seal this 7<sup>th</sup> day of April, 2004.



Nicholas D. Spencer

Witnesses:

1. Signed: N.V. Venkataraman  
Printed Name: NAGAIYANALLUR V VENKATARAMAN  
Address: ÜBERLANDSTRASSE 393, ZURICH 8051 SWITZERLAND

2. Signed: Stefan Zürcher  
Printed Name: STEFAN ZÜRCHER  
Address: STARENGASSE 7, 8051 ZURICH SWITZERLAND

Title: "Controlled Surface Chemical Gradients"  
By: Nicholas D. Spencer, Sara Maria Morgenstaler, and Seungjin Lee  
Filed: March 31, 2004  
ASSIGNMENT

WITNESS my hand and seal this 7<sup>th</sup> day of April, 2004.

S. Morgenstaler  
Sara Maria Morgenstaler

Witnesses:

1. Signed: Dr. V. Venkata

Printed Name: NAGAIYANALLUR V VENKATARAMAN

Address: ÜBERLANDSTRASSE 393, 8051 ZURICH,  
SWITZERLAND

2. Signed: H. J. J.

Printed Name: OLSTEFAN ZÜRCHER

Address: STARENGASSE 7, 8052 ZURICH  
SWITZERLAND

Title: "Controlled Surface Chemical Gradients"  
By: Nicholas D. Spencer, Syru Maria Morgenthaler, and Seungivan Lee  
Filed: March 31, 2004  
ASSIGNMENT

WITNESS my hand and seal this 7<sup>th</sup> day of April, 2004.

  
Seungivan Lee

Witnesses:

1. Signed: N. V. Venkatesan  
Printed Name: NAGAIYANALLUR V VENKATARAMAN  
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